

Therma Sheet

COMMERCIAL & RESIDENTIAL APPLICATIONS

CREATES A THERMAL BREAK & REDUCES TEMPERATURES AT PLYWOOD

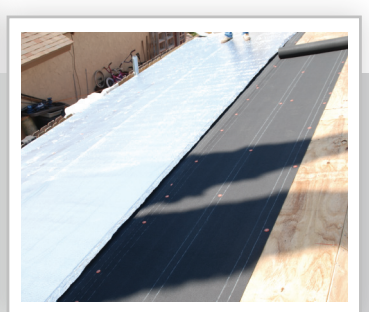
WITHOUT A REFLECTIVE AIRSPACE

Composite Shingles ▪ Single & Multi-Ply Standing Seam Metal

INCREASES SYSTEM R-VALUES & REDUCES TEMPERATURES AT PLYWOOD

WITH A REFLECTIVE AIRSPACE

Metal Roofing ▪ Stone Coated Steel Concrete & Clay Tile



CALIFORNIA "COOL ROOF" ALTERNATIVE

ESP now manufactures an additional LOW-E Therma Sheet product with a thicker polyethylene foam core. This product qualifies as a "Cool Roof" Alternative under the California Residential Building Code Standards.

Contact your local building department when determining which LOW-E Therma Sheet meets specific zone requirements.

KEY ADVANTAGES

- ▶ Creates a thermal break
- ▶ Provides a moisture barrier
- ▶ CLASS-A Rated (ASTM E-84)
- ▶ Reduces temperatures at plywood
- ▶ Reduces snow melt and ice damming
- ▶ Does not "super heat" roofing materials
- ▶ Lowers non-conditioned space temperatures
- ▶ Protects paper from drying out and premature aging
- ▶ Used in conjunction with traditional felt paper (per manufacturer's guidelines)

LOW-E Therma Sheet

PRODUCT CODE: 4LMLX
DESCRIPTION: Double-sided scrimmed aluminum foil laminated to polyethylene core
 1/8" nominal thickness | 4" foil overlap flange

PRODUCT CODE: 4FLX (California Approved "Cool Roof" Alternative)
DESCRIPTION: Double-sided scrimmed aluminum foil laminated to polyethylene core
 3/16" (1/4" nominal thickness) | 4" foil overlap flange

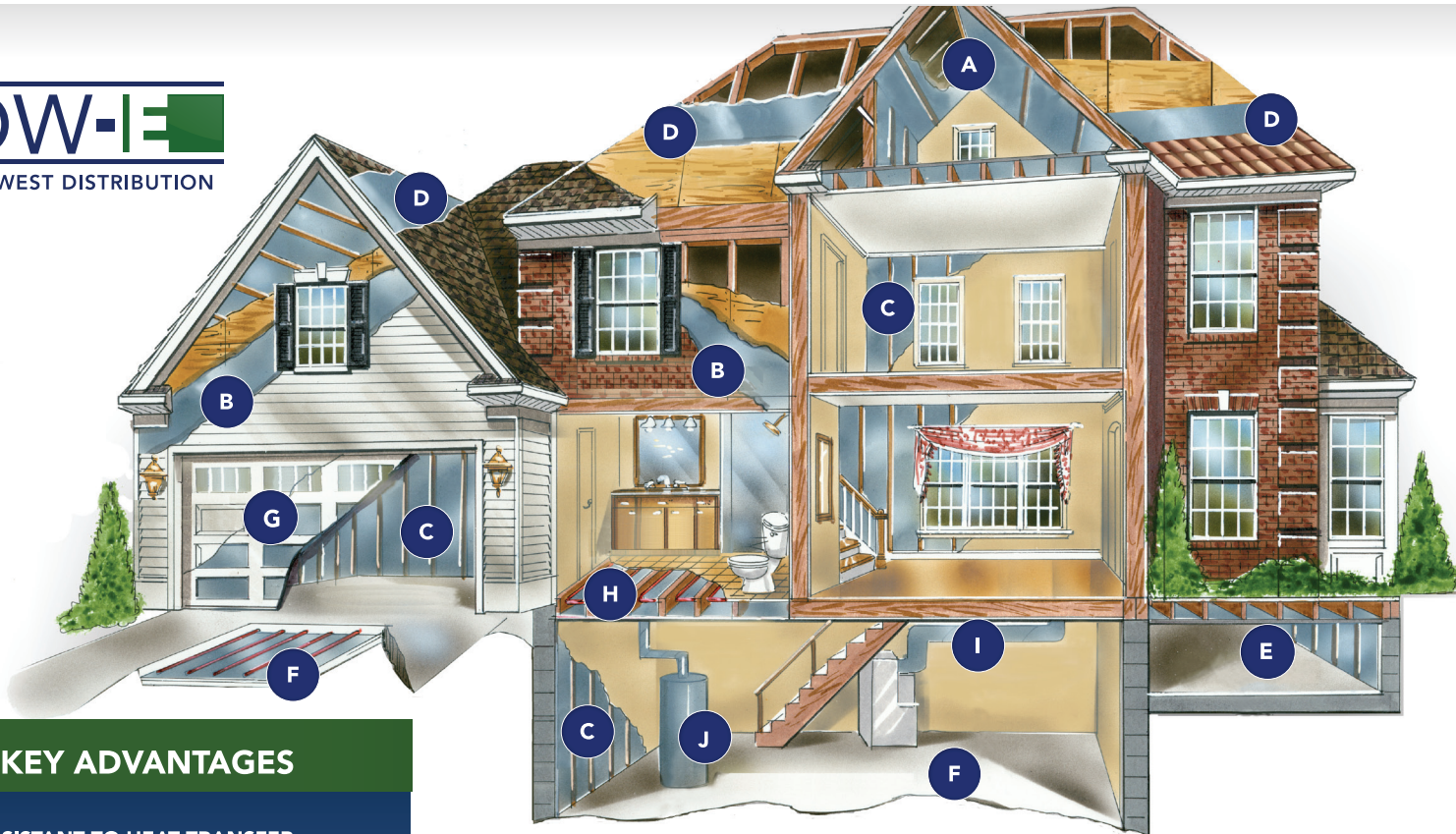
DIMENSIONS: 500 sq. ft. | 4' x 125'
PERM RATING: ASTM E-96 | 0.008
FLAME & SMOKE: ASTM E84-97a | FLAME SPREAD < 25 | SMOKE DEVELOPED < 50
EMITTANCE: ASTM C-1731 | 0.03

R-VALUES 4LMLX: R-55 (product only) **Does not qualify** as a California "Cool Roof" Alternative
 R-6 (downward heat flow) with a 3/4" reflective airspace
 R-9 (downward heat flow) with a 1.5" reflective airspace

R-VALUES 4FLX: *R-1.03 (product only) **Qualifies** as a California "Cool Roof" Alternative
 R-6 (downward heat flow) with a 3/4" reflective airspace
 R-9 (downward heat flow) with a 1.5" reflective airspace

*R-value exceeds the requirement of R-.85 or greater as stated in the California Residential Building Code Standards, thus, qualifying as a "Cool Roof" Alternative. Consult your local building department for questions regarding specific applications. For specific zone requirements, refer to the California Residential Building Code Standards.

WARNING - Aluminum is an electrical conductor - please use caution when working around electrical sources.



KEY ADVANTAGES

- RESISTANT TO HEAT TRANSFER
- INCREASES SYSTEM R-VALUES
- CREATES A THERMAL BREAK
- REDUCES ENERGY CONSUMPTION
- AIR INFILTRATION BARRIER
- STAND-ALONE OR WITH MASS INSULATION
- CREATES A BETTER BUILDING ENVELOPE
- CLASS-A RATED (ASTM E-84)
- MEETS GREEN BUILDING STANDARDS

- A ATTICS**
Attic Floor Insulation - Floor Only
Micro-E - Rafters (with support strips)
Tab - Rafters & Trusses
- B UNDER EXTERIOR FINISHES**
House Wrap - All Veneers & Stucco
House Wrap - Siding
- WALLS**
C Econo-E / Micro-E - Basement Walls
Tab - Stud Cavities

- D ROOF SYSTEMS**
Econo-E / Micro-E - Draped across Rafters & Trusses
Therma Sheet - Clay & Concrete Tile, Metal, Stone Coated Steel
Therma Sheet - Under Composite Shingles (where approved)
- E SUB-FLOORS**
Tab / Econo-E / Micro-E - Basements, Crawl Spaces, Mid-Level Floors

- F CONCRETE**
Slab Shield - Under Concrete Slabs, Pavement, Snow Melt
- G GARAGE DOORS**
Class-A White / Econo-E
- H RADIANT FLOORS**
Slab Shield - Under Concrete
Econo-E / Tab - Wood Floors
- I Econo-E / Duct Wrap**
 Ducts & Pipe Wrap
- J Water Tank Jacket Kit**
 Water Heaters

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